

Nano Visible Light

- Zirconia before and after Attritor processing : Showing Translucency

- 65w% Zirconia Solution



Before : After

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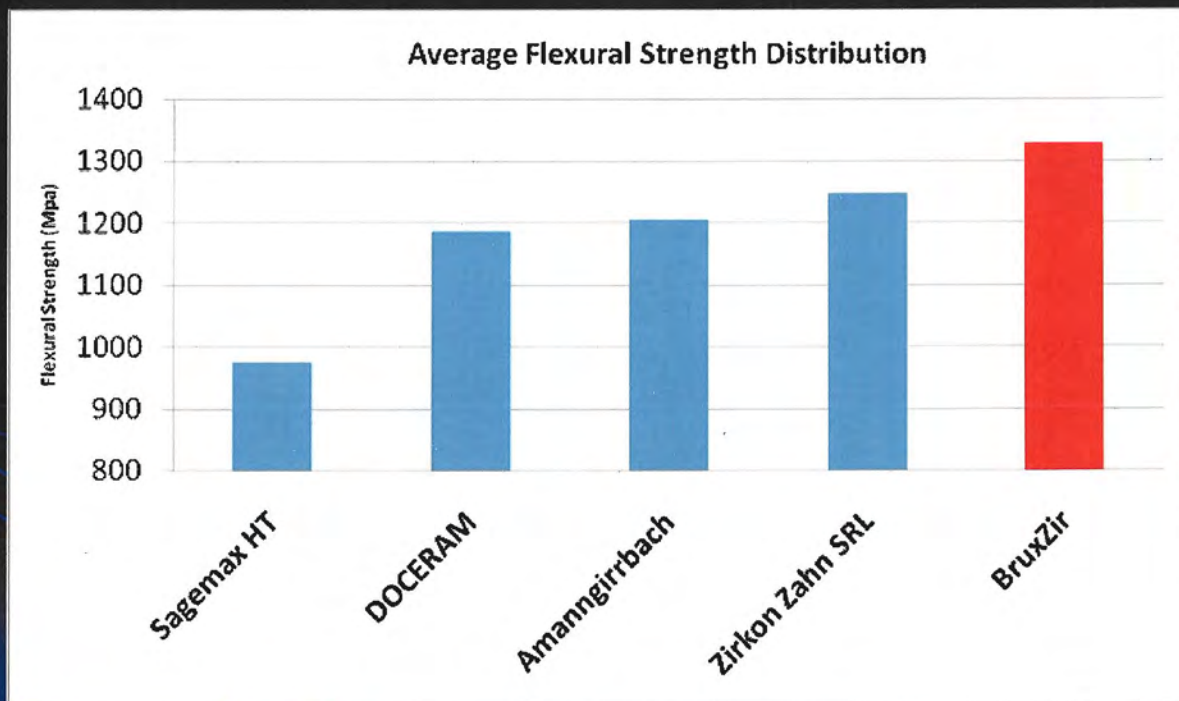
Manufacturing Method's are One of a kind in the world

Process / Attribute	BruxZir	Sagemax HT	DOCERAM	Amanngirrbach	Zirkon Zahn SRL	Cercon
Method of Manufacturing	Colloidal	Isostatically/Biaxial	Isostatically/Biaxial	Isostatically/Biaxial	Isostatically/Biaxial	Isostatically/Biaxial
Size Reduction Process	Yes	No	No	No	No	No
Percent % Impurities (Foreign & Organic Binders)	.0012	5.1%	5.1%	4.7%	4.65%	5.76%
Liquid Additives for dispersion & deagglomeration	Yes	No	No	No	No	No
Bisque Density	1.2225	1.2405	1.2539	1.2414	1.2523	1.2822
Strength (1 - 6) 1 Highest	1	6	5	4	3	2
Translucency (1 - 6) 1 Highest	1	6	5	4	2	3



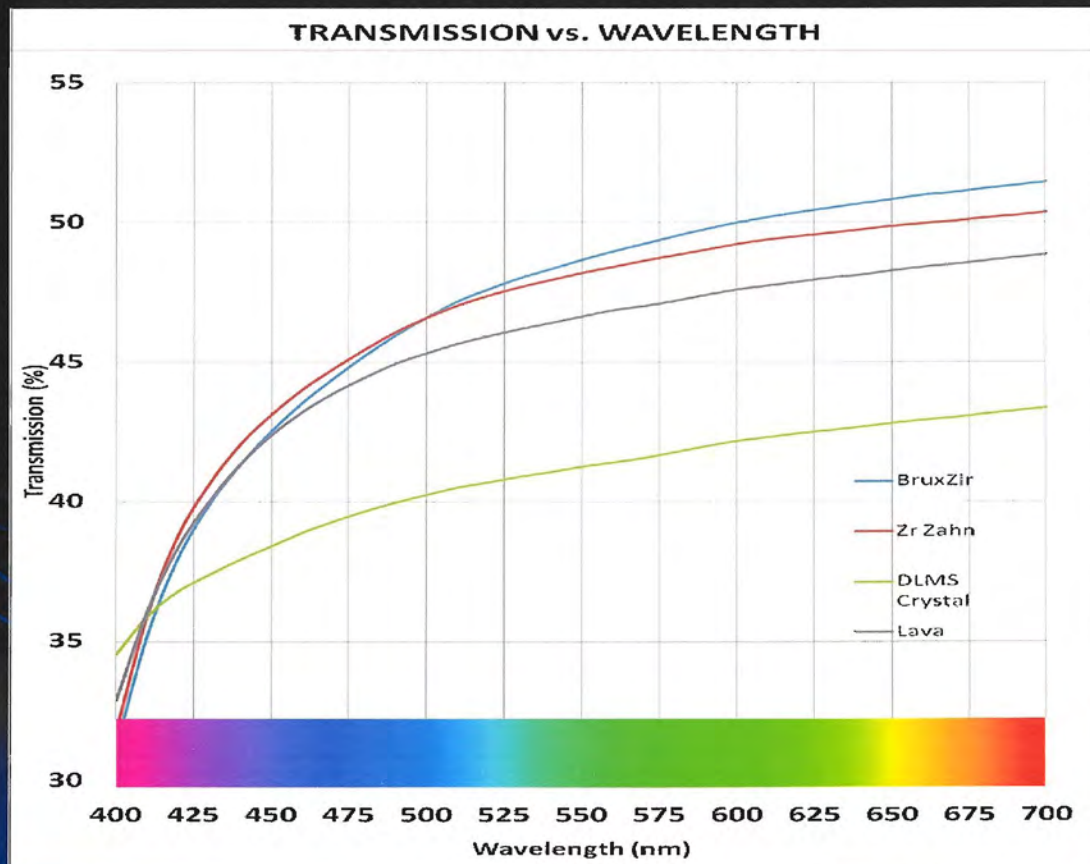
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Flexural Strength of different Zirconia materials



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Translucency of various Zirconia Grades



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BruxZir®

Manufacturing Snapshot (35 Sku's)

CZ & Bruxzir Production Report

Date: 8/08/2011

	Blocks Produced			Block Days	Block Ready for Shipment	Ovens										Post Block Status	Status	Finished Blocks	Block Loss	Inventory					Remaining Inventory	
	Yesterday	Today	Tomorrow			1	2	3	4	5	6	7	8	9	10					Home	Safe Block Qty	AT Sales	Service Block	Safe Block Qty		
12mm BHT	402			402	752				199					195		494	259-H,105-QC		600	3,600	160		308	840	12mm BHT	
15mm BHT		310			616		159	121					37		927	927-H		930	6,000	130		150	1,060	15mm BHT		
20mm BHT					64										126	126-H		400	700	90		40	490	20mm BHT		
25mm BHT					60													68	300	28		5	116	25mm BHT		
30mm BHT																		25	50	8		0	25	30mm BHT		
BHT 1-Core 12															1,003	529-H,554-QC		975	100	475	809	700		BHT 1-Core 12		
BHT 1-Core 15															1,693	1693-H			85	560	508	85		BHT 1-Core 15		
BHT 1-Core 20															44	93-H				8	208	109	205		BHT 1-Core 20	
BHT 1-Core 25																						32	20	84	BHT 1-Core 25	
BHT 1-Core 30																							0	2	BHT 1-Core 30	
BHT 1000°C Diamond 12mm															388	238-H,150-Q				94	309	84		BHT 1000°C Diamond 12mm		
BHT 1000°C Diamond 15mm															149	149-H				85	150	85		BHT 1000°C Diamond 15mm		
BHT 1000°C Diamond 20mm															4	4-H				37	50	37		BHT 1000°C Diamond 20mm		
BHT 1000°C Diamond 25mm																						0	0		BHT 1000°C Diamond 25mm	
Low Block 15.5	40	40	40	40	118										132	40-H,15-QC								0	189	Low Block 15.5
Low Block 16.5																										Low Block 16.5
Cores 20x18															2,802	2,062-CP,446-QC		757	130	730		1,487	944	Cores 20x18		
Cores 20x16					478								1,420								163		163	7	Cores 20x16	
Cores 25x16																						0			Cores 25x16	
SLT 12															10	10-QC								0		SLT 12
SLT 15															10	10-QC								0		SLT 15
SLT 20															11	8-QC								0		SLT 20
SLT 25																								0		SLT 25
BLT 1-Core 12																				16				18		BLT 1-Core 12
BLT 1-Core 15																				16				18		BLT 1-Core 15
BLT 1-Core 20																				7				7		BLT 1-Core 20
BLT 1-Core 25																								0		BLT 1-Core 25
TOTAL	442	350	40	442	2,078	0	169	0	320	0	0	195	0	37	1,420	7,564	0		3,641	10,680	1,714	1,037	2,339	5,555	1,096	11,370

Status:
C: Pressing or Casting
D: Drying
E: Bleeding
F: Machining/EP measurement
G: Labeling
H: Outgoing
I: Elong. Dental Band being Glued
QC: Quality Control
UD: Block need transfer

Block Loss
A: Damage During Casting/Pressing
B: Cracked during Bleeding
C: Under application/thickness
D: Damage during machining
E: Accidental Damage
F: Porosity (Subtle)
GC: Drying
CT: Contamination

Reserved For BDL Use Only	
12mm	277
15mm	65
20mm	
25mm	
30mm	

Block Size	Colored CZ Stock Level						
	T2-6	T2-1	T2-2	T2-3	T2-4	T2-5	T2-7
CZ 12mm	193	11	6	113	78	6	44
CZ 15mm	114	8	4	84	78	6	48
CZ 20mm	5	6	9	29	26	11	29
CZ 25mm	21		20	18	11	26	8

Block Size	MPT Stock Level				
	Standard Production	BruxZir Sales	1-Core Production	1-Core Sales	100 Rows Old Stock
15mm	130		155		23
25mm	19	44	48		25

Block Size	BHT 2.0 1000°C Diaque	
	Standard Production	1-Core Production
15mm BHT		75
20mm BHT	382	
25mm BHT		
30mm BHT	24	

Released Block Stock Level	
12mm	
16mm	85
20mm	
24mm	
30mm	

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